

Module: Seminar I - Current Topics in Research

Level	Master	Short Name	Sem I
Responsible Lecturers	Sandra Achilles/all lecturers from THL		
Department, Facility	Mechanical Engineering and Business Administration		
Course of Studies	Mechanical Engineering, Master		
Compulsory/elective	Compulsory	ECTS Credit Points	5
Semester of Studies	2	Semester Hours per Week	2
Length (semesters)	1	Workload (hours)	150
Frequency	SuSe and WiSe	Presence Hours	30
Teaching Language	English	Self-Study Hours	120
The following section is filled on	ly if there is exactly or	ne module-concluding exam.	
Exam Type	Project Work	Exam Language	English
Exam Length (minutes)		Exam Grading System	One-third Grades
Double in action Decrease in the	 special emphasis on the research fields. The students will train scientific writing. The students will get practical training in scientific presentations and improvement of their presentation skills. 		
Participation Prerequisites	second or higher sen		
·	ly if there is exactly one module-concluding exam.		
Consideration of Gender and Diversity Issues	1 2 2 2 3 3 2 1 3 2 1 1 2 1 1 1 1 1 1 1		
Applicability	Seminar II		
Remarks	This seminar will prepare the students for scientific work of the master thesis and scientific work after graduating. An overview of the current R&D trends in mechanical and materials engineering will be given. Detailed information about current R&D projects at the universities participating in this program will be presented and subjects of master theses discussed or scientific level. The underlying scientific information and the project plan have to be presented and defended in the seminar. Presentation methods and organising technical reports will be trained simultaneously. Professional key competences achieved are competence in methods, self-competence/personal competence and intercultural competence.		



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(of Module: Seminar I - Current Topics in Research)

Course Type	Seminar	Form of Learning	Presence
Mandatory Attendance	yes	ECTS Credit Points	5
Participation Limit		Semester Hours per Week	2
Group Size	4	Workload (hours)	150
Teaching Language	English	Presence Hours	30
Study Achievements ("Studienleistung", SL)		Self-Study Hours	120
SL Length (minutes)		SL Grading System	
The following section is filled on	ly if there is a course-s	pecific exam.	
Exam Type		Exam Language	
Exam Length (minutes)		Exam Grading System	
Learning Outcomes			
Participation Prerequisites			
The previous section is filled onl	y if there is a course-s	pecific exam.	
Contents	 Current topics in R&D Overview worldwide (mechanical engineering, materials science and engineering, design and systems engineering) R&D at participating universities Reporting and presentations different types of reports writing of scientific papers and reports different types of presentations presentation techniques exercises Presentations by students introduction into a certain research field and the research topic addressed first project plan of scientific project and paper 		
Literature	Literature will be addressed during coursework.		
Remarks	Requirements for granting of credits		

2 11.03.2021